

SEQUENCE LISTING

<110> Children's Medical Center Corporation
Ashkar, Samy

<120> Osteopontin-Coated Surfaces and Methods of Use

<130> CMCC 779

<150> US 60/241,248

<151> 2000-10-18

<150> US 60/327,273

<151> 2001-10-05

<160> 16

<170> PatentIn version 3.1

<210> 1

<211> 314

<212> PRT

<213> Homo sapiens

<400> 1

Met Arg Ile Ala Val Ile Cys Phe Cys Leu Leu Gly Ile Thr Cys Ala
1 5 10 15

Ile Pro Val Lys Gln Ala Asp Ser Gly Ser Ser Glu Glu Lys Gln Leu
20 25 30

Tyr Asn Lys Tyr Pro Asp Ala Val Ala Thr Trp Leu Asn Pro Asp Pro
35 40 45

Ser Gln Lys Gln Asn Leu Leu Ala Pro Gln Asn Ala Val Ser Ser Glu
50 55 60

Glu Thr Asn Asp Phe Lys Gln Glu Thr Leu Pro Ser Lys Ser Asn Glu
65 70 75 80

Ser His Asp His Met Asp Asp Met Asp Asp Glu Asp Asp Asp Asp His
85 90 95

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Val Asp Ser Gln Asp Ser Ile Asp Ser Asn Asp Ser Asp Asp Val Asp
      100                      105                      110

Asp Thr Asp Asp Ser His Gln Ser Asp Glu Ser His His Ser Asp Glu
      115                      120                      125

Ser Asp Glu Leu Val Thr Asp Phe Pro Thr Asp Leu Pro Ala Thr Glu
      130                      135                      140

Val Phe Thr Pro Val Val Pro Thr Val Asp Thr Tyr Asp Gly Arg Gly
      145                      150                      155                      160

Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser Lys Lys Phe Arg Arg
      165                      170                      175

Pro Asp Ile Gln Tyr Pro Asp Ala Thr Asp Glu Asp Ile Thr Ser His
      180                      185                      190

Met Glu Ser Glu Glu Leu Asn Gly Ala Tyr Lys Ala Ile Pro Val Ala
      195                      200                      205

Gln Asp Leu Asn Ala Pro Ser Asp Trp Asp Ser Arg Gly Lys Asp Ser
      210                      215                      220

Tyr Glu Thr Ser Gln Leu Asp Asp Gln Ser Ala Glu Thr His Ser His
      225                      230                      235                      240

Lys Gln Ser Arg Leu Tyr Lys Arg Lys Ala Asn Asp Glu Ser Asn Glu
      245                      250                      255

His Ser Asp Val Ile Asp Ser Gln Glu Leu Ser Lys Val Ser Arg Glu
      260                      265                      270

Phe His Ser His Glu Phe His Ser His Glu Asp Met Leu Val Val Asp
      275                      280                      285

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Pro Lys Ser Lys Glu Glu Asp Lys His Leu Lys Phe Arg Ile Ser His
 290 295 300

Glu Leu Asp Ser Ala Ser Ser Glu Val Asn
 305 310

<210> 2
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Osteopontin-derived peptide

<400> 2

Leu Val Leu Asp Pro Lys
 1 5

<210> 3
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<220>
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<400> 3

Leu Val Val Asp Pro Lys
 1 5

<210> 4
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<400> 4

Arg Gly Arg Asp Ser
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<210> 5
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<220>
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<400> 5

Gly Arg Gly Asp Ser
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<210> 6
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<212> PRT
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<400> 6

Val Phe Thr Pro Val Val Pro Thr Val Asp Thr Tyr Asp Gly Arg Gly
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Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser Lys Lys Phe Arg Arg
20 25 30

<210> 7
<211> 33
<212> PRT
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<400> 7

Val Phe Thr Pro Val Val Pro Thr Val Asp Thr Tyr Asp Gly Arg Gly
1 5 10 15

Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser Lys Lys Phe Arg Arg
 20 25 30

Pro

<210> 8
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<400> 8

Arg Ser Arg Arg Ala Thr Glu Val Phe Thr Pro Val Val Pro Thr Val
 1 5 10 15

Asp Thr Tyr Asp Gly Arg Gly Asp Ser Val Val Tyr Gly Leu Arg Ser
 20 25 30

Lys Ser Lys Lys Phe Arg Arg Pro
 35 40

<210> 9
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<400> 9

Ser Asp Glu Leu Val Thr Asp Phe Pro Thr Asp Leu Pro Ala Thr Glu
 1 5 10 15

Val Phe Thr Pro Val Val Pro Thr Val Asp Thr Tyr Asp Gly Arg Gly
 20 25 30

Asp Ser Val Val Tyr Gly Leu Arg Ser Lys Ser Lys Lys Phe Arg Arg
 35 40 45

Pro

<210> 10
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<220>
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Arg Ser Arg Arg Ala Thr Glu Val Phe Thr Pro Val Val Pro Thr Val
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Asp Thr Tyr Asp Gly Arg Gly Asp Ser Val Val Tyr Gly Arg Arg Ser
 20 25 30

Lys Ser Lys Lys Phe Arg Arg Pro
 35 40

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 <212> PRT
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Arg Ser Arg Arg Ala Thr Glu Val Phe Thr Pro Val Val Pro Thr Val
 1 5 10 15

Asp Thr Tyr Asp Gly Arg Gly Asp Ser Val Val Tyr Gly Arg Arg Ser
 20 25 30

Lys Ser Lys Lys Phe Arg Arg Pro Ala Gly Ala Ala Gly Gly Pro Ala
 35 40 45

Gly Pro Ala Gly Pro Ala Gly Pro Ala Gly Pro Ala Gly Pro Ala
 50 55 60

<210> 12
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<400> 12

Arg Ser Arg Arg Val Phe Thr Pro Phe Ile Pro Thr Glu Ser Ala Asn
 1 5 10 15

Asp Gly Arg Gly Asp Ser Val Ala Tyr Gly Leu Lys Ser Lys Ser Lys
 20 25 30

Lys Phe Arg Arg
 35

<210> 13
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 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Artificial peptide sequence

<400> 13

Asp Thr Phe Thr Pro Ile Val Pro Thr Val Asp Val Pro Asn Gly Arg
 1 5 10 15

Phe Asp Ser Leu Ala Tyr Gly Leu Lys Ser Lys Ser Lys Lys Phe Gln
 20 25 30

<210> 14
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<400> 14

Arg Ser Arg Arg Ala Thr Glu Val Phe Thr Pro Val Val Pro Thr Val
 1 5 10 15

Asp Thr Tyr Asp Gly Arg Ala Asp Ser Val Val Tyr Gly Arg Arg Ser
 20 25 30

Lys Ser Lys Lys Phe Arg Arg Pro
 35 40

<210> 15
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 <212> PRT
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<220>
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<400> 15

Arg Ser Arg Arg Ala Thr Glu Val Phe Thr Pro Val Val Pro Thr Val
 1 5 10 15

Asp Thr Tyr Asp Gly Arg Gly Asp Ser Val Val Tyr Gly Leu Arg Ser
 20 25 30

Lys Ser Lys Lys Phe Arg Arg Pro
 35 40

<210> 16
 <211> 59
 <212> PRT
 <213> Artificial sequence

<220>
 <223> Osteopontin fragment

<400> 16

Glu His Ser Asp Val Ile Asp Ser Gln Glu Leu Ser Lys Val Ser Arg
 1 5 10 15

Glu Phe His Ser His Glu Phe His Ser His Glu Asp Met Leu Val Val
 20 25 30

Asp Pro Lys Ser Lys Glu Glu Asp Lys His Leu Lys Phe Arg Ile Ser
 35 40 45

His Glu Leu Asp Ser Ala Ser Ser Glu Val Asn
 50 55